

Amendments to the Claims:

1. (Cancelled)

2. (Currently Amended) A device according to Claim 28, ~~wherein 1, characterized in that~~ a first side wall of the first spacer is closed so as to form the said first exchange wall and present an outer face adapted to cooperate with a plate so as to jointly define the said second chamber, said first spacer, or said first spacer and said plate, defining a modular processing block.

3. (Currently Amended) A device according to Claim 2, ~~characterized in that it comprises comprising~~ at least two blocks, the first spacer of which comprises a second opened side wall, parallel or inclined related to the first closed side wall, and arranged to be closed by a plate of another block.

4. (Currently Amended) A device according to Claim 2, ~~characterized in that it comprises comprising~~ another first spacer, the outer face of the first exchange wall of which is destined to be tightly sealed by the said plate so as to define another second chamber, the said first spacers and the said plate defining a modular processing overblock.

5. (Currently Amended) A device according to Claim 28, ~~comprising 1,~~ ~~characterized in that it comprises~~ at least two first spacers having at least one first closed side wall so as to form a first exchange wall adapted to define with another first exchange wall a second chamber, the said first spacers so defining a modular processing block.

6. (Currently Amended) A device according to Claim 5, ~~characterized in that it comprises comprising~~ at least two blocks, the first spacers of which each comprises a second side wall placed opposite a first side wall and closed so as to form a second exchange wall, each second exchange wall being adapted to define with another second exchange wall another second chamber.

7. (Currently Amended) A device according to Claim 5, characterized in that it comprises comprising a diaphragm inserted between two successive first spacers to subdivide the second chamber into two parts, the said diaphragm forming the exchange wall.

8. (Currently Amended) A device according to Claim 28, wherein 1, characterized in that the first spacer comprises a first opened side wall, and in that it comprises at least a first and a second plates arranged to jointly define the said second chamber, the first plate being additionally destined to close the said first opened side wall by forming the said first exchange wall, and the said first spacer and the said first and second plates so defining a modular processing block.

9. (Currently Amended) A device according to Claim 8, characterized in that it comprises comprising at least two blocks, the first spacers of which each comprises a second opened side wall, placed opposite a first opened side wall, and suitable to be tightly closed by a second plate of another block.

10. (Currently Amended) A device according to Claim 28, wherein 1, characterized in that the first exchange wall is a diaphragm.

11. (Currently Amended) A device according to Claim 28, comprising 1, characterized in that it comprises a second spacer of a selected thickness and including side walls defining the said second chamber, at least partly recessed for the flow of a second fluid, the said first and second spacers having a first opened side wall, the said first opened walls of the first and second spacers being destined to be placed one facing the other by inserting a separation diaphragm or a plate forming the said first exchange wall, and the said first and second spacers and the said diaphragm or plate defining a modular processing block.

12. (Currently Amended) A device according to Claim 11, characterized in that it comprises comprising at least two blocks, the first spacers of which each comprises a second

opened side wall [[,] placed opposite a first side wall, and suitable to be placed opposite a second side wall of another block by inserting another diaphragm or a plate.

13. (Currently Amended) A device according to Claim 2, ~~characterized in that~~
wherein at least some of the plates forming an exchange wall are fitted with fluid disturbing devices.

14. (Currently Amended) A device according to Claim 13, ~~characterized in that~~
wherein at least some of the disturbing devices are plate surface deformations.

15. (Currently Amended) A device according to Claim 13, ~~characterised in that~~
wherein at least some of the disturbing devices are elements inserted on the plate.

16. (Currently Amended) A device according to Claim 1, ~~characterized in that~~
wherein at least some of the first spacers comprise a wall destined to subdivide their first chamber into two parts.

17. (Currently Amended) A device according to Claim 28, wherein 1, ~~characterized~~
~~in that~~ at least one of the spacers includes means of injection arranged to inject at least a third fluid into the chamber of the said spacer.

18. (Currently Amended) A device according to Claim 28, wherein 1, ~~characterized~~
~~in that~~ at least one of the spacers comprises three upper apertures and three lower apertures for supplying three fluids, and a collection of the said three fluids.

19. (Currently Amended) A device according to Claim 28, wherein 1, ~~characterized~~
~~in that~~ at least one of the spacers includes one inserted element selected from a group consisting of a processing material, a vortex generator, a fluid flow guide and a stirrer.

20. (Currently Amended) A device according to, Claim 19, wherein characterized in that the processing material is a metallic foam.

21. (Currently Amended) A device according to Claim 19, wherein characterized in that the processing material is selected from a catalytic foam and a catalytic liner.

22. (Currently Amended) A device according to Claim 28, wherein 1, characterized in that at least one of the spacers is constituted of the assembly of at least two sub-spacers.

23. (Currently Amended) A device according to Claim 2, characterized in that it includes including at least two blocks or modular parallel overblocks, serially mounted so that an outlet of a first chamber of one of the blocks supplies with a first fluid the inlet of a first chamber of another block or overblock and that an outlet of a second chamber of one of the blocks or overblocks supplies with a second fluid an inlet of a first chamber of another block or overblock.

24. (Currently Amended) A device according to Claim 2, characterized in that it comprises comprising at least two blocks or modular overblocks, the chambers of which comprise at least one first inlet and one outlet, and the said blocks or overblocks being mounted in parallel so that all the first inlets are jointly supplied with a first fluid a distributor and all the outlets supply a manifold.

25. (Currently Amended) A device according to Claim 28, wherein 1-characterized in that the said second fluid is a heat conductor fluid or a secondary refrigerant fluid.

26 - 27. (Cancelled)

28. (New) A device for exchange or reaction between at least two fluids, comprising tightly stacked modular blocks, each modular block comprising a first chamber for the flow of a first fluid and a second chamber for the flow of a second fluid, said first and second chambers being separated one from the other by a first exchange wall suitable for an exchange or a reaction between the fluids, wherein each modular block comprises a first spacer with a recessed center part forming said first chamber, the second chamber being formed between said first exchange wall and a second exchange wall or between the first exchange wall and a second spacer, and wherein each spacer and each exchange wall is provided with four or six holes for supplying the fluids to said first and second chambers and for collecting the fluids from said first and second chambers.